

Amendments to the Specification:

On page 27, replace page 4 as follows:

acid anhydrides, monocarboxylic acids, monoacid chlorides, and activated monoesters. The reaction with an end cap compound advantageously control the number of repetition of the structural unit of the heat resistant resin precursor polymer. Also, by allowing the heat resistant resin precursor polymer to react with an end cap compound, various types of organic group can be introduced as an end group. Preferably, a polymer prepared by introducing an end cap compound to the polymer to formula (3) has one structure selected from among the structures expressed by general formulas (9) to (12). Preferably, a polymer prepared by introducing an end cap compound to the polymer of formula (4) has one structure selected from among the structures expressed by general formulas (13) to (16).

